

WHAT IS CLAIMED IS:

1. A drive system, comprising:
a plurality of electric power devices;
a drive case having a plurality of case segments which are connected to each other, each of the electric power devices being contained in one of the case segments; and
a plurality of inverters, one for each of the electric power devices, wherein the inverters are collectively attached to one of the case segments, and a flow path of a coolant for cooling the inverters is positioned between the one of the case segments and the inverters.
2. The drive system according to claim 1, wherein the inverters are contained in a common inverter case which is attached to the drive case and the flow path of the coolant is positioned between the one of the case segments and the inverter case.
3. The drive system according to claim 2, wherein the inverter case is attached to the drive case such that the inverter case extends over the case segments, and two sealing members are provided, one interposed between the one of the case segments and the inverter case and the other between the drive case and the inverter case.
4. The drive system according to claim 3, wherein the sealing member interposed between the drive case and the inverter case tolerates a step between the case segments.
5. The drive system according to claim 4, wherein the electric power devices are connected to the respective inverters with connection parts which extend out from the corresponding case segments.
6. The drive system according to claim 5, wherein each of the connection parts has a terminal which extends through the corresponding case segment and which projects into the inverter case.
7. The drive system according to claim 6, wherein each of the terminals is positioned near an opening of the corresponding case segment.
8. The drive system according to claim 3, wherein the electric power devices are connected to the respective inverters with connection parts which extend out from the corresponding case segments.
9. The drive system according to claim 8, wherein each of the connection parts has a terminal which extends through the corresponding case segment and which projects into the inverter case.
10. The drive system according to claim 9, wherein each of the terminals is positioned near an opening of the corresponding case segment.

11. The drive system according to claim 2, wherein the inverter case is attached to the drive case such that the inverter case extends over the case segments, and a plurality of sealing members are provided, one interposed between each of the case segments and the inverter case.

12. The drive system according to claim 11, wherein the electric power devices are connected to the respective inverters with connection parts which extend out from the corresponding case segments.

13. The drive system according to claim 12, wherein each of the connection parts has a terminal which extends through the corresponding case segment and which projects into the inverter case.

14. The drive system according to claim 13, wherein each of the terminals is positioned near an opening of the corresponding case segment.

15. The drive system according to claim 2, wherein the electric power devices are connected to the respective inverters with connection parts which extend out from the corresponding case segments.

16. The drive system according to claim 15, wherein each of the connection parts has a terminal which extends through the corresponding case segment and which projects into the inverter case.

17. The drive system according to claim 16, wherein each of the terminals is positioned near an opening of the corresponding case segment.

18. The drive system according to claim 1, wherein the inverters are fixed on a common base which is attached to one of the case segments and the flow path of the coolant is positioned between the one of the case segments and the base.

19. The drive system according to claim 18, wherein the electric power devices are connected to the respective inverters with connection parts which extend out from the corresponding case segments.

20. The drive system according to claim 1, wherein the electric power devices are connected to the respective inverters with connection parts which extend out from the corresponding case segments.

21. The drive system according to claim 20, wherein each of the connection parts has a terminal which extends through the corresponding case segment and which projects into the inverter case.

22. The drive system according to claim 21, wherein each of the terminals is positioned near an opening of the corresponding case segment.